EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	(captur$3 and reference and transmi$5 and digiti$2 and retriev$3 and stor$3 and modulat$3) and dataadjpacket	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2008/01/25 14:33
S2	122	(captur$3 and reference and transmi$5 and digiti$2 and retriev$3 and stor$3 and modulat$3) and data adj packet	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 11:43
S3	122	(captur$3 and reference and transmi$5 and digiti$2 and retriev$3 and stor$3 and modulat$3) and data adj1 packet	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 11:44
S4	155	(captur$3 and reference and transmi$5 and digiti$2 and retriev$3 and stor$3 and modulat$3 and packet and test$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 17:27
S5	11025	digitizing with signal	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 17:32
S6	362	S5 same test$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 17:36
S7	27	S6 and ((modulating and demodulating) or (encoding and decoding))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 18:32
S8	104	S6 and (modulating or demodulating or encoding or decoding)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/08 17:36

EAST Search History

S9	42	(S5 same test$3).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/03/09 11:32
S10	50	("4839637" "5936902" "6243308" "4343868" "4594884" "5875177" "5602406" "5016220" "5367485" "6047344" "6316959" "6317372" "4323844" "4775977" "5393991" "5420796" "5621329" "5796943" "6057881" "6160713" "5698876" "5828673" "4956816" "5363382" "6317373" "6418072" "6418075" "6459630" "6469946" "6694500" "5774003" "5396501" "5231345" "5610927" "6430718" "6763488" "6769080" "5260947" "5701307" "5724367" "5847561" "5859860" "5872908" "5299168" "5388104" "5467356" "5689635" "5710779" "6108536" "6269036").pn.	USPAT	OR	OFF	2006/03/09 11:34
S11	0	(("4839637" "5936902" "6243308" "4343868" "4594884" "5875177" "5602406" "5016220" "5367485" "6047344" "6316959" "6317372" "4323844" "4775977" "5393991" "5420796" "5621329" "5796943" "6057881" "6160713" "5698876" "5828673" "4956816" "5363382" "6317373" "6418072" "6418075" "6459630" "6469946" "6694500" "5774003" "5396501" "5231345" "5610927" "6430718" "6763488" "6769080" "5260947" "5701307" "5724367" "5847561" "5859860" "5872908" "5299168" "5388104" "5467356" "5689635" "5710779" "6108536" "6269036").pn.) and trasmit$3	USPAT	OR	OFF	2006/03/09 11:34

S12	47	(("4839637" "5936902" "6243308" "4343868" "4594884" "5875177" "5602406" "5016220" "5367485" "6047344" "6316959" "6317372" "4323844" "4775977" "5393991" "5420796" "5621329" "5796943" "6057881" "6160713" "5698876" "5828673" "4956816" "5363382" "6317373" "6418072" "6418075" "6459630" "6469946" "6694500" "5774003" "5396501" "5231345" "5610927" "6430718" "6763488" "6769080" "5260947" "5701307" "5724367" "5847561" "5859860" "5872908" "5299168" "5388104" "5467356" "5689635" "5710779" "6108536" "6269036").pn.) and signal	USPAT	OR	OFF	2006/03/09 11:35
S13	4	(("4839637" "5936902" "6243308" "4343868" "4594884" "5875177" "5602406" "5016220" "5367485" "6047344" "6316959" "6317372" "4323844" "4775977" "5393991" "5420796" "5621329" "5796943" "6057881" "6160713" "5698876" "5828673" "4956816" "5363382" "6317373" "6418072" "6418075" "6459630" "6469946" "6694500" "5774003" "5396501" "5231345" "5610927" "6430718" "6763488" "6769080" "5260947" "5701307" "5724367" "5847561" "5859860" "5872908" "5299168" "5388104" "5467356" "5689635" "5710779" "6108536" "6269036").pn.) and signal and binary	USPAT	OR	OFF	2006/03/09 11:35
S14	6341	(transmitting same receiving) and ("A/D" or (analog adj to adj digital)) and error and bit$1	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:01
S15	468	(transmitting same receiving) same ("A/D" or (analog adj to adj digital)) and error and bit$1	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:31
S16	384	(transmitting with receiving) same ("A/D" or (analog adj to adj digital)) and error and bit$1	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:17

S17	155	(transmitting with receiving) same ("A/D" or (analog adj to adj digital)) and (error with bit$1)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:16
S18	119	((transmitting with receiving) same ("A/D" or (analog adj to adj digital)) and (error with bit$1)) and stor$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:16
S19	33	(((transmitting with receiving) same ("A/D" or (analog adj to adj digital)) and (error with bit$1)) and stor$3) not ("D/A" or (digital adj to adj analog))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:05
S20	53	((transmitting with receiving) same ("A/D" or (analog adj to adj digital)) and (error with bit$1)) and stor$3 and test$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:16
S21	59	(transmitting with receiving) same ("A/D" or (analog adj to adj digital)) and (error with bit$1) and test$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:16
S22	113	(transmitting with receiving) same ("A/D" or (analog adj to adj digital)) and error and bit$1 and test$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 15:13
S23	419	((transmitting and receiving) and ("A/D" or (analog adj to adj digital))).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 15:19
S24	19	((transmitting and receiving) and test$3 and ("A/D" or (analog adj to adj digital))).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 15:18

S25	112	((transmitting and receiving) and stor$3 and ("A/D" or (analog adj to adj digital))).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:31
S26	16	((transmitting and receiving) and stor$3 and ("A/D" or (analog adj to adj digital))).ab.	US-PGPUB; USPAT	OR	ON	2007/05/16 18:31
S27	114	"4704734"	USPAT	OR	OFF	2006/03/10 15:44
S28	7	"4485480"	USPAT	OR	OFF	2006/03/10 15:45
S29	148	"4485486"	USPAT	OR	OFF	2006/03/10 15:45
S30	0	"6831945" and correction	USPAT	OR	OFF	2006/07/16 18:12
S31	26	("4541091").URPN.	USPAT	OR	OFF	2007/01/11 12:11
S32	20	(("4541091").URPN.) and stor$3	USPAT	OR	OFF	2007/01/11 12:52
S33	9214	modulat$3 near3 stor$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/11 12:53
S34	3689	(modulat$3 near3 stor$3) with signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/11 12:53
S35	67	"714"/$.ccls. and (modulat$3 near3 stor$3) with signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/11 12:54
S36	768	((modulat$3 near3 stor$3) with signal).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/11 12:53

S37	0	("714"/$.ccls. and (modulat$3 near3 stor$3) with signal).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:32
S38	0	("714"/$.ccls. and (modulat$3 near3 stor$3) with signal).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/11 12:54
S39	9	"4819236" and demodula$4	USPAT	OR	OFF	2007/01/11 14:30
S40	7	"4819236" and modulat$4 and stor$4	USPAT	OR	OFF	2007/01/11 16:12
S41	6	"4819236" and frequency	USPAT	OR	OFF	2007/03/20 16:09
S42	4	"4819236" and frequency and demodula$3	USPAT	OR	OFF	2007/05/16 18:33
S43	555	(transmitting same receiving) same ("A/D" or (analog adj to adj digital)) and error and bit$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:31
S44	288	((transmitting and receiving) and stor$3 and ("A/D" or (analog adj to adj digital))).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:31
S45	288	((transmitting and receiving) and stor$3 and ("A/D" or (analog adj to adj digital))).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 18:31
S46	12353	digitizing with signal	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 18:32

S47	408	S46 same test$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 18:32
S48	28	S47 and ((modulating and demodulating) or (encoding and decoding))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 18:32
S49	4	"4819236" and frequency and demodula$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 18:33
S50	27731	generat$ with reference with transmi$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/25 18:52
S51	17338	generat$ with reference with transmi$6 with signal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/25 18:52
S52	1942	generat$ near3 reference near3 transmi$6 near3 signal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/25 18:53
S54	8	generat$ reference transmi$6 signal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/25 18:56
S55	840	generat$ near2 reference near2 transmi$6 near2 signal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/27 11:13
S56	77	(generat$ near2 reference near2 transmi$6 near2 signal) and ((test tester testing tested) with system)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/25 18:58

S57	80	(generat$ near2 reference near2 transmi$6 near2 signal) and ((test tester testing tested) with (communication system))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/25 19:33
S58	53	(generat$ near2 reference near2 transmi$6 near2 signal) and ((test tester testing tested) with (communication system)) and modulat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/27 11:18
S59	52	(generat$ near2 reference near2 transmi$6 near2 signal) and ((test tester testing tested) with (communication system)) and modulat$4 and frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/25 19:35
S60	18	(generat$ near2 reference near2 transmi$6 near2 signal) and ((test tester testing tested) with (communication system)) and modulat$4 and frequency and quadrature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/25 19:36
S61	176	(generat$ near2 reference near2 transmi$6 near2 signal) and (test tester testing tested)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/27 11:16
S62	14	(generat$ near2 reference near2 transmi$6 near2 signal) and (test tester testing tested) and ("714"/$. ccls. "370"/$.ccls. 375/224.ccls. 455/99.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/27 11:17
S63	53	(generat$ near2 reference near2 transmi$6 near2 signal) and ((test tester testing tested) with (communication system)) and modulat$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/27 11:19
S64	62	S63 or S62	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/27 13:46

S74	102	("4403208" "4947171" "5877802" "5942957" "6160773" "5543859" "5638305" "6114890" "4370558" "4374396" "4486688" "4813031" "4926443" "5027207" "5185657" "5245262" "5289448" "5539477" "5561671" "5614803" "5687724" "5719932" "5734674" "5774795" "5786872" "5952897" "6011824" "6021234" "6054705" "6078514" "6119237" "6233347" "4310841" "4348683" "4358797" "4363977" "4364048" "4389536" "4434911" "4450589" "4458316" "4467411" "4486771" "4558381" "4577184" "4591805" "4767997" "4785472" "4856084" "4868572").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/27 14:52
S75	140	("20030088372" "4882737" "20050286440" "20060009959" "3558823" "3560633" "3562496" "3564143" "3564147" "3566033" "3566036" "3569939" "3571687" "3571799" "3571806" "3571957" "3573621" "3573622" "3573624" "3573741" "3573742" "3573749" "3575556" "3575557" "3576441" "3576494" "3579196" "3579200" "3581207" "3582782" "3582786" "3582884" "3585399" "3585595" "3585598" "3585599" "3585601" "3585606" "3586778" "3587044" "3587053" "3587058" "3590162" "3590381" "3590406" "3593290" "3595997" "3596254" "3597549" "3597742").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/27 14:52
S76	100	S74 or S75	US-PGPUB; USPAT	OR	ON	2008/01/27 14:53

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Set      Items    Description
S1        7473    (UPCONVERT? OR UP()CONVERT? OR (INCREAS? OR
HIGH???)(2N)CO-
                  NVER? OR (CONVER? OR MODIF? OR ALTER? OR
CHANG?)(2N)FREQUEN?)-
                  (5N)SIGNAL?
S2       67615    (REFEREN? OR COMPAR? OR PRIMARY OR BENCHMARK? OR
EXAMPL?)(-
                  3N)SIGNAL?
S3        6199    S2(5N)(GENERAT? OR PRODUC? OR CREATE? ? OR CREATING? OR
CR-
                  EATION? OR MADE? OR DEVELOP? OR YIELD? OR ORIGINAT? OR
MAKE? -
                  OR MAKING? OR INITIAT? OR INTRODUC? OR MANUFACT?)
S4        1040    (TEST??? OR CHECK? OR DIAGNOS? OR TROUBLE? OR EXAMIN?
OR A-
                  NALY?)(7N)((TELECOMM? OR COMMUNICATION?)(2N)(TRANSCEIVER?
OR -
                  RECEIVER?))
S5       99890    QUADRATUR?(2N)(FREQUEN? OR MODULAT?) OR PHASE?
?(2N)MODULA-
                  T?
S6          25    S1 AND S3
S7         321    S1 AND S5
S8          11    S7 AND S2
S9          35    S6 OR S8
S10         31    RD  (unique items)
S11          0    S1 AND S2:S3 AND S4 AND S5
S12         19    S10 AND PY=1978:2004
S13          0    S7 AND S4
S14          0    S1 AND S2 AND S4
File    2:INSPEC 1898-2008/Dec W5
          (c) 2008 Institution of Electrical Engineers
File    6:NTIS 1964-2008/Jan W4
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          (c) 2008 The Thomson Corp.
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          (c) 2007 ProQuest Info&Learning
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File   60:ANTE: Abstracts in New Tech & Engineer 1966-2008/Dec
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File   95:TEME-Technology & Management 1989-2008/Jan W2
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File   99:Wilson Appl. Sci & Tech Abs 1983-2007/Nov
          (c) 2007 The HW Wilson Co.
File  111:TGG Natl.Newspaper Index(SM) 1979-2008/Jan 10
          (c) 2008 The Gale Group
File  144:Pascal 1973-2008/Jan W2
          (c) 2008 INIST/CNRS
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File 239:Mathsci 1940-2008/Feb
        (c) 2008 American Mathematical Society
File 256:TecInfoSource 82-2008/Oct
        (c) 2008 Info.Sources Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
        (c) 2006 The Thomson Corp
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
        (c) 2002 The Gale Group
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Set      Items    Description
S1       19352    (UPCONVERT? OR UP()CONVERT? OR (INCREAS? OR
HIGH???)(2N)CO-
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CHANG?)(2N)FREQUEN?)-
                  (5N)SIGNAL?
S2      164564    (REFEREN? OR COMPAR? OR PRIMARY OR BENCHMARK? OR
EXAMPL?)(-
                  3N)SIGNAL?
S3       35709    S2(5N)(GENERAT? OR PRODUC? OR CREATE? ? OR CREATING? OR
CR-
                  EATION? OR MADE? OR DEVELOP? OR YIELD? OR ORIGINAT? OR
MAKE? -
                  OR MAKING? OR INITIAT? OR INTRODUC? OR MANUFACT?)
S4         217    (TEST??? OR CHECK? OR DIAGNOS? OR TROUBLE? OR EXAMIN?
OR A-
                  NALY?)(7N)((TELECOMM? OR COMMUNICATION?)(2N)(TRANSCEIVER?
OR -
                  RECEIVER?))
S5       24505    QUADRATUR?(2N)(FREQUEN? OR MODULAT?) OR PHASE?
?(2N)MODULA-
                  T?
S6          99    S1(100N)S3(100N)S5
S7           0    S6(100N)S4
S8           0    S1(100N)S4(100N)S5
S9           1    S4(100N)S5
S10         30    S6(100N)(UPCONVER? OR UP()CONVER?)
S11          0    S10(100N)((TELECOMM? OR
COMMUNICATION?)(2N)(TRANSCEIVER? OR
                  RECEIVER?))
S12          0    S6(100N)((TELECOMM? OR COMMUNICATION?)(2N)(TRANSCEIVER?
OR
                  RECEIVER?))
S13         26    S10 AND PY=1978:2004
S14         17    S10 AND (AC=US OR AC=US/PR) AND AY=1978:2004
S15         28    S13:S14
S16         28    S15 NOT S9
S17        100    S2(100N)(UPCONVER? OR UP()CONVER?)(5N)SIGNAL?(20N)S5
S18          6
S17(100N)(REFEREN?(3N)SIGNAL?)(100N)(QUADRATUR?(2N)FREQUEN-
                  ?)
S19          5    S18 NOT S16
File 348:EUROPEAN PATENTS 1978-2007/ 200804
         (c) 2008 European Patent Office
File 349:PCT FULLTEXT 1979-2008/UB=20080117UT=20080110
         (c) 2008 WIPO/Thomson
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Set      Items    Description
S1       30403    (UPCONVERT? OR UP()CONVERT? OR (INCREAS? OR
HIGH???)(2N)CO-
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CHANG?)(2N)FREQUEN?)-
                  (5N)SIGNAL?
S2       204220   (REFEREN? OR COMPAR? OR PRIMARY OR BENCHMARK? OR
EXAMPL?)(-
                  3N)SIGNAL?
S3       51773    S2(5N)(GENÉRAT? OR PRODUC? OR CREATE? ? OR CREATING? OR
CR-
                  EATION? OR MADE? OR DEVELOP? OR YIELD? OR ORIGINAT? OR
MAKE? -
                  OR MAKING? OR MANUFACT?)
S4       346      (TEST??? OR CHECK? OR DIAGNOS? OR TROUBLE? OR EXAMIN?
OR A-
                  NALY?)(7N)((TELECOMM? OR COMMUNICATION?)(2N)(TRANSCEIVER?
OR -
                  RECEIVER?))
S5       18607    QUADRATUR?(2N)(FREQUEN? OR MODULAT?) OR PHASE?
?()MODULAT?
S6       1881     S1 AND S3
S7       108      S6 AND S5
S8       0        S7 AND S4
S9       8        S4 AND S5
S10      108      S7 NOT S9
S11      100      S10 AND PY=1978:2004
S12      87       S10 AND PY=1978:2004 AND AC=US
S13      100      S11:S12
S14      6        S13 AND (UPCONVER? OR UPCONVER?)
S15      94       S13 NOT S14
S16      89       S15 AND (MODULAT? OR ENCOD?)
S17      5        S16 AND (TELECOMM? OR COMMUNICATION? OR
COMM)(2N)(TRANSCEI-
                  VER? OR RECEIVER?)
S18      84       S16 NOT S17
S19      2        S18 AND TRANSMI?(3N)(SAME OR UNCHANG? OR CONSTANT?)
? ds;show files;logoff hold

Set      Items    Description
S1       30403    (UPCONVERT? OR UP()CONVERT? OR (INCREAS? OR
HIGH???)(2N)CO-
                  NVER? OR (CONVER? OR MODIF? OR ALTER? OR
CHANG?)(2N)FREQUEN?)-
                  (5N)SIGNAL?
S2       204220   (REFEREN? OR COMPAR? OR PRIMARY OR BENCHMARK? OR
EXAMPL?)(-
                  3N)SIGNAL?
S3       51773    S2(5N)(GENERAT? OR PRODUC? OR CREATE? ? OR CREATING? OR
CR-
                  EATION? OR MADE? OR DEVELOP? OR YIELD? OR ORIGINAT? OR
MAKE? -
                  OR MAKING? OR MANUFACT?)
S4       346      (TEST??? OR CHECK? OR DIAGNOS? OR TROUBLE? OR EXAMIN?
OR A-
                  NALY?)(7N)((TELECOMM? OR COMMUNICATION?)(2N)(TRANSCEIVER?
OR -
```

```
                  RECEIVER?))
S5       18607    QUADRATUR?(2N)(FREQUEN? OR MODULAT?) OR PHASE?
?()MODULAT?
S6        1881    S1 AND S3
S7         108    S6 AND S5
S8           0    S7 AND S4
S9           8    S4 AND S5
S10        108    S7 NOT S9
S11        100    S10 AND PY=1978:2004
S12         87    S10 AND PY=1978:2004 AND AC=US
S13        100    S11:S12
S14          6    S13 AND (UPCONVER? OR UPCONVER?)
S15         94    S13 NOT S14
S16         89    S15 AND (MODULAT? OR ENCOD?)
S17          5    S16 AND (TELECOMM? OR COMMUNICATION? OR
COMM)(2N)(TRANSCEI-
                  VER? OR RECEIVER?)
S18         84    S16 NOT S17
S19          2    S18 AND TRANSMI?(3N)(SAME OR UNCHANG? OR CONSTANT?)
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File 347:JAPIO Dec 1976-2007/Sep(Updated 080116)
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Set      Items    Description
S1       30403    (UPCONVERT? OR UP()CONVERT? OR (INCREAS? OR
HIGH???)(2N)CO-
                  NVER? OR (CONVER? OR MODIF? OR ALTER? OR
CHANG?)(2N)FREQUEN?)-
                  (5N)SIGNAL?
S2       204220   (REFEREN? OR COMPAR? OR PRIMARY OR BENCHMARK? OR
EXAMPL?)(-
                  3N)SIGNAL?
S3       51773    S2(5N)(GENERAT? OR PRODUC? OR CREATE? ? OR CREATING? OR
CR-
                  EATION? OR MADE? OR DEVELOP? OR YIELD? OR ORIGINAT? OR
MAKE? -
                  OR MAKING? OR MANUFACT?)
S4       346      (TEST??? OR CHECK? OR DIAGNOS? OR TROUBLE? OR EXAMIN?
OR A-
                  NALY?)(7N)((TELECOMM? OR COMMUNICATION?)(2N)(TRANSCEIVER?
OR -
                  RECEIVER?))
S5       18607    QUADRATUR?(2N)(FREQUEN? OR MODULAT?) OR PHASE?
?()MODULAT?
S6       1881     S1 AND S3
S7       108      S6 AND S5
S8       0        S7 AND S4
S9       8        S4 AND S5
S10      108      S7 NOT S9
S11      100      S10 AND PY=1978:2004
S12      87       S10 AND PY=1978:2004 AND AC=US
S13      100      S11:S12
S14      6        S13 AND (UPCONVER? OR UPCONVER?)
S15      94       S13 NOT S14
S16      89       S15 AND (MODULAT? OR ENCOD?)
S17      5        S16 AND (TELECOMM? OR COMMUNICATION? OR
COMM)(2N)(TRANSCEI-
                  VER? OR RECEIVER?)
S18      84       S16 NOT S17
S19      2        S18 AND TRANSMI?(3N)(SAME OR UNCHANG? OR CONSTANT?)
? ds;show files;logoff hold

Set      Items    Description
S1       30403    (UPCONVERT? OR UP()CONVERT? OR (INCREAS? OR
HIGH???)(2N)CO-
                  NVER? OR (CONVER? OR MODIF? OR ALTER? OR
CHANG?)(2N)FREQUEN?)-
                  (5N)SIGNAL?
S2       204220   (REFEREN? OR COMPAR? OR PRIMARY OR BENCHMARK? OR
EXAMPL?)(-
                  3N)SIGNAL?
S3       51773    S2(5N)(GENERAT? OR PRODUC? OR CREATE? ? OR CREATING? OR
CR-
                  EATION? OR MADE? OR DEVELOP? OR YIELD? OR ORIGINAT? OR
MAKE? -
                  OR MAKING? OR MANUFACT?)
S4       346      (TEST??? OR CHECK? OR DIAGNOS? OR TROUBLE? OR EXAMIN?
OR A-
                  NALY?)(7N)((TELECOMM? OR COMMUNICATION?)(2N)(TRANSCEIVER?
OR -
```

```
                RECEIVER?))
S5        18607    QUADRATUR?(2N)(FREQUEN? OR MODULAT?) OR PHASE?
?()MODULAT?
S6         1881    S1 AND S3
S7          108    S6 AND S5
S8            0    S7 AND S4
S9            8    S4 AND S5
S10         108    S7 NOT S9
S11         100    S10 AND PY=1978:2004
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S13         100    S11:S12
S14           6    S13 AND (UPCONVER? OR UPCONVER?)
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S16          89    S15 AND (MODULAT? OR ENCOD?)
S17           5    S16 AND (TELECOMM? OR COMMUNICATION? OR
COMM)(2N)(TRANSCEI-
                VER? OR RECEIVER?)
S18          84    S16 NOT S17
S19           2    S18 AND TRANSMI?(3N)(SAME OR UNCHANG? OR CONSTANT?)
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